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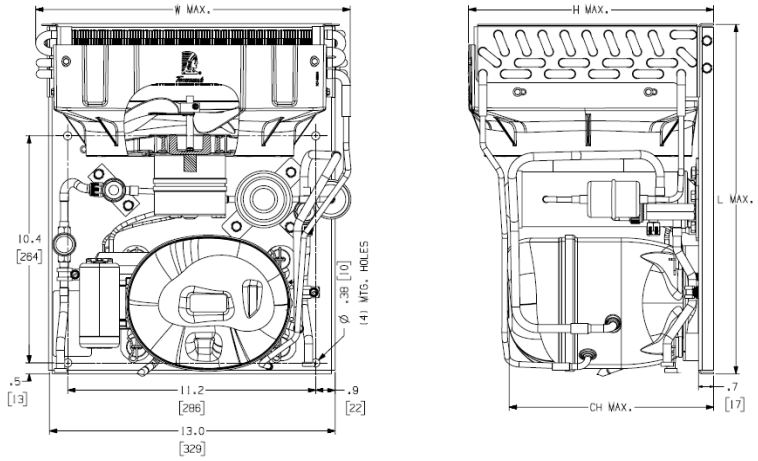
Celseon® Air Cooled Condensing Unit

Model: AE4450Z-AA1AD*
BoM: 2G225- R-404A 1/2 HP**



Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AE4450Z-AA1ADA	16.0	14.3	11.1	9.3	5/16” S	1/4” S	N/A	185	9.5	39
AE4450Z-AA1ADG					3/8” S	3/8” S	2.5 lbs			41
AE4450Z-AA1ADH					3/8” S	3/8” S	N/A			39
AE4450Z-AA1ADK					5/16” S	1/4” S				39
AE4450Z-AA1ADC					3/8” S	3/8” S	2.5 lbs			41
AE4450Z-AA1ADS					3/8” S	3/8” S	N/A			39
AE4450Z-AA1ADJ					3/8” S	3/8” S	2.5 lbs			41
AE4450Z-AA1ADP					3/8” S	3/8” S	2.5 lbs			41

* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting
Factory charge: 20 PSIG Nitrogen – **MUST BE EVACUATED**

		Ambient Temperatures											
Evaporator T,		80°F			90°F			100°F			110°F		
°F	PSIG	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
5	39.0	2771	548	99	2491	559	108	2221	571	117	1960	582	125
10	43.9	3062	579	101	2753	591	110	2453	604	118	2164	617	127
15	49.8	3372	609	103	3031	623	112	2701	637	120	2382	652	129
20	56.1	3696	640	105	3322	656	114	2961	671	122	2610	687	131
25	62.9	4030	672	108	3623	688	116	3229	705	124	2845	722	133
30	70.2	4371	703	110	3930	721	118	3501	740	127	3083	758	135
35	77.9	4715	735	113	4238	755	121	3774	774	129	3319	794	137
40	87.0	5057	767	115	4544	788	123	4043	809	131	---	---	---
45	95.1	5392	800	118	4843	822	126	---	---	---	---	---	---

60 Hz Performance

Return gas temp 40°F below 20°F evaporator,
and 65°F above 20° evap, 5°F sub cooling

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Specifications/ Parts:

Unit Model	**AE4450Z-AA1ADA**
Unit Bill of Material	**2G225-09**
Refrigeration Range	5° F to 45° F
Design Pressure Low	181
Design Pressure High	450
Nominal Volts-Hz-Ph	115-60-1
Voltage Range	103-127
Min. Circuit Ampacity	11.9
Max. Fuse Size (amps)	20
Compressor Model	AE4450Z-AA1A
Comp. Bill of Material	AE-1164-E
Compressor RLA/LRA	9.2/38
Overload	External
Relay	RP7508
Run Capacitor	N/A
Run Capacitor Rating	N/A
Start Capacitor	85PS165D89
Start Capacitor Rating	270-324 MFD 165V
Fan Motor	810-10001
Fan Motor RLA	.38
Fan Blade	515-10002
Fan Shroud/Guard Combo	707-00004
Condenser	506-10035
Unit Drawing	DGU1972-02
Wiring Diagram	91266-01
Replacement Kit: Relay	K71-48
Replacement Kit: O/L	K90-69

Unit Model	**AE4450Z-AA1ADG**
Unit Bill of Material	**2G225-19**
Receiver Tank	510-10000
Liquid Valve	56659
Suction Valve	56659
Unit Model	**AE4450Z-AA1ADH**
Unit Bill of Material	**2G225-29**
Liquid Valve	56659
Suction Valve	56659
Unit Model	**AE4450Z-AA1ADK**
Unit Bill of Material	**2G225-39**
Power Cord	85106-14
Unit Model	**AE4450Z-AA1ADC**
Unit Bill of Material	**2G225-59**
Receiver Tank	510-10000
Liquid Valve	56659
Suction Valve	56659
Power Cord	85106-14
Unit Model	**AE4450Z-AA1ADS**
Unit Bill of Material	**2G225-69**
Liquid Valve	56659
Suction Valve	56659
Power Cord	85106-14
Unit Model	**AE4450Z-AA1ADJ**
Unit Bill of Material	**2G225-79**
Receiver Tank	510-10000
Liquid Valve	56659
Suction Valve	56659
Filter Drier	71116
Sight Glass	70084
Unit Model	**AE4450Z-AA1ADP**
Unit Bill of Material	**2G225-89**
Receiver Tank	510-10000
Liquid Valve	56659
Suction Valve	56659
Power Cord	85106-14
Filter Drier	71116
Sight Glass	70084

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